

LASER PROBE

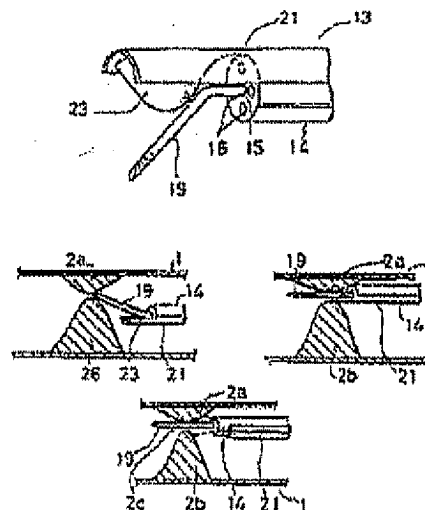
Ref. 1

Publication number: JP4197350
Publication date: 1992-07-16
Inventor: KURAMOTO SEIJI; OGASAWARA TADAHIKO
Applicant: OLYMPUS OPTICAL CO
Classification:
- International: A61B18/20; A61M25/01; A61N5/06; A61B18/20;
A61M25/01; A61N5/06; (IPC1-7): A61B17/36;
A61M25/01; A61N5/06
- European:
Application number: JP19900333119 19901129
Priority number(s): JP19900333119 19901129

Report a data error here

Abstract of JP4197350

PURPOSE: To remove the close or stricture part in a lumen without damaging the lumen, such as blood vessel by installing a guide member which can be freely slid in the longitudinal direction at the top edge part of a catheter and installing a curving means for curving the top edge part of a treating device or a guide wire, having the guide member as guide. **CONSTITUTION:** When a catheter 14 approaches a structured parts 2a and 2b, the top edge part of a guide member 21 is projected from the top edge surface of the catheter 14, and air is sent under pressure by a syringe, and a balloon 23 is expanded. The projection part of a wire 19 is pressed from the side by the balloon 23, and curved toward an opened port part 2c, and when air is discharged, the balloon 23 contracts, and the curved part of the wire 19 restores a straight form, and the top edge surface of the catheter 14 is set opposite to the opened port part 2c. The catheter 14 is fixed by inserting the top edge part into the opened port part 2c, and the guide member 21 is slid rearward and retreated. In this state, laser beam is generated from a laser beam generator, and then the laser beam is radiated to the stricture parts 2a and 2b, which can be removed.



Data supplied from the esp@canet database - Worldwide